

What is claimed is:

Sub H2  
1. A digital camera comprising:

an image sensing unit including: a taking lens; and an image sensing device for sensing a subject image formed by said taking lens and outputting the subject image as an electric signal; and a camera body including: an image processor for performing a predetermined processing on the electric signal from said image sensing unit; a detector for detecting a condition of connection of said image sensing unit to said camera body; and a power supply controller for controlling power supply in said camera body in accordance with a result of the detection.

2. A digital camera as claimed in claim 1,

wherein said camera body has a flash control circuit for controlling light emission of a flash light emitter.

3. A digital camera as claimed in claim 2,

wherein when said detector detects that said image sensing unit is not connected to said camera body, said power supply controller does not supply power to said flash control circuit.

4. A digital camera as claimed in claim 2,

wherein in a case where said image sensing unit is connected to said camera body through a cable, when said detector detects that the cable has a length larger than a predetermined length, said power supply controller does not supply power to said flash control circuit.

5. A digital camera as claimed in claim 1,  
wherein said image processor has a recorder for recording  
the electric signal as image data.

5 6. A digital camera to which an interface for performing  
connection to an external device is connectable, comprising:

an image processor for performing a predetermined processing  
on image data from an image sensing unit having a taking lens and  
an image sensing device;

10 a detector for detecting a condition of connection of said  
interface to said digital camera; and

a power supply controller for controlling power supply in  
said digital camera in accordance with a result of the detection.

15 7. A digital camera as claimed in claim 6,  
wherein when it is detected that said interface is not  
connected, said power supply controller stops power supply to a  
circuit in said digital camera which circuit is associated with  
said interface.

20 8. A digital camera as claimed in claim 6, further com-  
prising a power supply portion for supplying power only to said  
interface,

25 wherein when it is detected that said interface is not  
connected, said power supply controller does not supply power to  
said power supply portion.

9. A digital camera as claimed in claim 6, further com-

prising a plurality of power supply portions for supplying power to a plurality of circuits in said digital camera,

wherein power is supplied only to a specific power supply portion in accordance with the result of the detection.

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10. A digital camera as claimed in claim 6,

wherein said image processor has a recorder for recording an electric signal as image data.

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11. A digital camera to which an image sensing unit having a taking lens and an image sensing device is connectable, comprising:

an image processor for performing a predetermined processing on image data from said image sensing unit;

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a detector for detecting a condition of connection of said image sensing unit to said digital camera; and

a power supply controller for controlling power supply to said digital camera in accordance with a result of the detection.

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12. A digital camera as claimed in claim 11,

wherein when it is detected that said image sensing unit is not connected, said power supply controller stops power supply to a circuit in said digital camera which circuit is associated with said image sensing unit.

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13. A digital camera as claimed in claim 11, further comprising a power supply portion for supplying power only to said image sensing unit,

wherein when it is detected that said image sensing unit is not connected, said power supply controller does not supply power to said power supply portion.

5        14. A digital camera as claimed in claim 11, further comprising a plurality of power supply portions for supplying power to a plurality of circuits in said digital camera,

wherein power is supplied only to a specific power supply portion in accordance with the result of the detection.

10        15. A digital camera as claimed in claim 11, further comprising a flash control circuit for controlling flash light emission.

15        16. A digital camera as claimed in claim 15, wherein when said detector detects that said image sensing unit is not connected to a camera body, said power supply controller does not supply power to said flash control circuit.

20        17. A digital camera as claimed in claim 15, wherein in a case where said image sensing unit is connected to a camera body through a cable, when said detector detects that the cable has a length larger than a predetermined length, said power supply controller does not supply power to said flash  
25        control circuit.

18. A digital camera as claimed in claim 11, wherein said image processor has a recorder for recording an

electric signal as image data.

19. A power source control method in a digital camera to which an image sensing unit having a taking lens and an image  
5 sensing device is connectable, said method comprising the steps of:

detecting a condition of connection of said image sensing unit to said digital camera; and

controlling power supply in said digital camera in accordance with a result of the detection.  
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20. A power source control method as claimed in claim 19, wherein when it is detected that said image sensing unit is not connected, power supply to a circuit in said digital camera which circuit is associated with said image sensing unit is  
15 stopped.

21. A power source control method as claimed in claim 19, wherein a different unit is connectable to said digital  
20 camera, and a condition of connection of the different unit is detected in said detecting step.